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
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Application Number	09/865,659
Filing Date	5/25/01
First Named Inventor	ANTHONY J. CALISE
Group Art Unit	222 2121
Examiner Name	Booker
Attorney Docket Number	3394-34267

(use as many sheets as necessary)

Sheet	1	of	3
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner
Signature

24 Kelvin Becker

Date
Considered

4/15/04

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

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Application Number	09/865,659
Filing Date	5/25/01
First Named Inventor	ANTHONY J. CALISE
Group Art Unit	2122 2121
Examiner Name	Booker
Attorney Docket Number	3394-34267

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
QB	1.	ANTHONY J. CALISE, et al., Adaptive output feedback control of nonlinear systems using neural networks, Automatica, March 7, 2001, pp. 1201-1211, Automatica 37 (2001), School of Aerospace Engineering, Georgia Institute of Technology, Atlanta, GA, USA	
QB	2.	YOUNG H. KIM, et al., A Dynamic Recurrent Neural-network-based Adaptive Observer for a Class of Nonlinear Systems, February 18, 1997, pp. 1539-1543, Automatica, Vol. 33, No. 8, The University of Texas at Arlington, Fort Worth, Texas & The University of New Mexico, Albuquerque, NM, USA	
QB	3.	F.L. LEWIS, Nonlinear Network Structures for Feedback Control, Asian Journal of Control, December 1999, pp. 205-228, Vol. 1, No. 4	
QB	4.	MOSHE IDAN, et al., A Hierarchical Approach to Adaptive Control for Improved Flight Safety, Copyright 2001, pp. 1-11, American Institute of Aeronautics and Astronautics, Reston, VA	
QB	5.	ANTHONY J. CALISE, et al., Development of a Reconfigurable Flight Control Law for the X-36 Tailless Fighter Aircraft, AIAA 2000-3940 Copyright 2000, pp. 1-9, American Institute of Aeronautics and Astronautics, Reston, VA	
QB	6.	MANU SHARMA, et al., Neural Network Augmentation of Existing Linear Controllers, AIAA 2001-4163, Copyright 2001, pp. 1-9, American Institute of Aeronautics and Astronautics, Reston, VA	
QB	7.	NAIRA HOVAKIMYAN, et al. Adaptive Output Feedback Control of a Class of Nonlinear Systems Using Neural Networks, April 23, 2001, pp. 1-21, School of Aerospace Engineering, Georgia Institute of Technology, Atlanta, GA	
QB	8.	KEN-ICHI FUNAHASHI, On the Approximate Realization of Continuous Mappings by Neural Networks, September 14, 1988, pp. 183-192, Vol. 2, Neural Networks, USA	
QB	9.	G. CYBENKO, Approximation by Superpositions of a Sigmoidal Function, Mathematics of Control, Signals, and Systems, February 17, 1989, pp. 303-315, Vol. 2, Springer-Verlag New York Inc., USA	
QB	10.	ROBERT M. SANNER, et al., Gaussian Networks for Direct Adaptive Control, November, 1992, pp. 837-863, Vol. 3, No. 6, IEEE Transactions on Neural Networks	
QB	11.	SRIDHAR SESHAGIRI, et al., Output Feedback Control of Nonlinear Systems Using RBF Neural Networks, January, 2000, pp. 69-79, Vol. II, No. 1, IEEE Transactions on Neural Network	

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Sheet	3	of	3		

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Sheet

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of

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Application Number

09/865.659

Filing Date

05/25/2001

First Named Inventor

CALISE, Anthony J.

Group Art Unit

~~2122~~ 2121

Examiner Name


Booker

Attorney Docket Number

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Sheet	2	of	2	Attorney Docket Number	3394-34267

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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2B	B1.	J. HORN: "Feedback-Linearization using Neural Process Models" Proceedings of the 9th International Conference on Artificial Neural Networks, Vol. 1, 7 September 1999 (1999-09-07), pages 37-42, XP001059447 UK, page 37, right-hand column, line 1 - page 38, right-hand column, line 3	
2B	B2.	Y. ZHANG et al.: "Stable Neural Controller Design for Unknown Nonlinear Systems Using Backstepping" Proceedings of the 1999 American Control Conference, vol. 2, 2 June 1999 (1999-06-02), pages 1067-1071, XP010344848, USA, page 1067, left-hand column, line 60 - page 1068, right-hand column, line 37	
2B	B3.	K. HASIBI: "Implementation of Feedback Linearizable Controllers" Proceedings of the Spie, vol. 1709, 1992, pages 541-547, XP001059643 USA, page 541, line 45 - page 542, line 32	
2B	B4.	I. EGEMEN et al.: "Disturbance Attenuating Adaptive Controllers for Parametric Strict Feedback Nonlinear Systems with Output Measurements" Transactions of the Asme, vol. 121, no. 1, March 1999 (1999-03), pages 48-57, XP001059617 USA, page 49, left-hand column, line 46 - page 50, left-hand column, line 57	
2B	B5.	PODSIADLO P. et al.: "Output Feedback Adaptive Control of Non-Affine MIMO Systems" Motion Control Proceedings, 1993, Asia-Pacific Workshop on Advances in Singapore 15-16 July 1993, New York, NY, USA, IEEE, 15 July 1993 (1993-07-15), pages 159-164, XP010113424, ISBN: 0-7803-1223-6 the whole document	
2B	B6.	PATENT COOPERATION TREATY, Invitation to Pay Additional Fees with Annex to Form PCT/ISA/206 Communication Relating to the Results of the Partial International Search, 15 February 2002, International Application No. PCT/US01/17201, filed 25 May 2001 by applicant Georgia Tech Research Corporation	

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